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C14-CM-105

4031

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2016

DCME—FIRST YEAR EXAMINATION

BASICS OF COMPUTER ENGINEERING

Time : 3 hours ]

[ Total Marks : 80

**PART—A**

3×10=30

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **three** marks.  
(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Write about the word length.
2. What is an algorithm?
3. Find the decimal equivalent of  $(AD5)_{16}$ .
4. What is the need for an operating system?
5. Define disk defragmentation.
6. List the features of active desktop.
7. Write short notes on LAN and WAN.
8. Define MODEM.
9. List the advantages of database systems.
10. What is REST?

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**PART—B**

10×5=50

**Instructions :** (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11.** List and explain the types of memories used in computer. 10
- 12.** (a) Explain in brief the ASCII codes for character. 5  
(b) Differentiate between network OS and desktop OS. 5
- 13.** (a) Explain about (i) auto exec.bat and (ii) config.sys. 5  
(b) Differentiate between internal and external commands. 5
- 14.** List and explain the components of windows along with their functionalities. 10
- 15.** Explain in brief the different types of Web browser software. 10
- 16.** Explain about World Wide Web (WWW). 10
- 17.** What are the limitations of file system data management? 10
- 18.** List the advantages and limitations of using cloud model. 10

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